104.2 Royal Canadian Mint Reference Materials (solid forms)

These RMs are a series each of fine gold and gold bullion products developed and certified by the Royal Canadian Mint (RC
The fine gold RMs are primarily intended for use as calibration standards for the determination of trace elements by solid sample spectrometric methods; th
RMs are primarily intended for use as quality control check standards for fire assay. There are five RMs in the gold bullion series, and six RMs in the fine gold series. The
RMs in the gold bullion series are available in three forms disc (25 mm dia. x 20 mm), wire (2 mm dia.), and foil (35 mm x 40 mm x 1 mm). The RMs in the f
are available in three formsblock (25 mm x 25 mm x 2.5 mm), wire (2 mm dia.), and turnings (25 g).

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

RM	8068/8069/8070			8071/8072/8073			8074/8075/8076			8077/8078/8079			8080/8081/8082		
Description	Gold Bullion			Gold Bullion			Gold Bullion			Gold Bullion			Gold Bullion		
Form	D	W	F	D	W	F	D	W	F	D	W	F	D	W	F
(Disc, Wire, Foil)	30	25	25	30	25	25	30	25	25	30	25	25	30	25	25
Unit Size (in g)															
	Components (mg/kg)														
Au	94.847			89.928			84.905			79.962			74.988		
Ag	4.15			8.03			12.08			15.09			15.04		
Cu	(1)			(2)			(3)			(5)			(10)		

RM Description	8050/8051/8052 Fine Gold			8053/8054/8055 Fine Gold			8056/8057/8058 Fine Gold			8059/8060/8061 Fine Gold			8062/8063/8064 Fine Gold			8065/8066/8067 Fine Gold		
Form (Block, Wire, Turnings)	B	W	T	B	W	T	B	W	T	B	W	T	B	W	T	B	W	T
Unit Size (in g)	30	25	25	30	25	25	30	25	25	30	25	25	30	25	25	30	25	25
	Components (mg/kg)																	
As	2.4		10.0			18.0			6.7			29.4			14.3			
Bi	3.4		24.0			34.0			6.8			53.9			11.0			
Cr	1.7		32.6			13.3			5.0			4.9			16.7			
Cu	1.6		98.1			46.9			5.7			9.8			13.8			
Fe	6.2		11.6			33.8			7.5			90.4			15.4			
Pb	1.9		21.9			30.5			6.4			49.7			11.5			
Mg	1.1		34.0			11.8			6.0			3.2			15.6			
Mn	1.1		58.9			22.5			10.8			64.3			20.5			
Ni	2.7		32.5			50.5			5.7			14.6			13.5			
Pd	1.3		43.1			19.8			5.0			119			13.1			
Pt			87.1			40.8			6.1			5.1			12.5			
Si			2.7			27.8			6.3			9.0			19.1			
Ag	9.5		20.3			81.7			7.1			49.7			15.1			
Sn	2.8		33.8			27.2			6.4			49.7			17.8			
Ti	0.7		12.7			25.3			5.9			2.6			16.5			
Zn	2.6		54.6			6.6			7.5			20.9			12.5			

Values in parentheses are not certified and are given for information only.